

## RECENT PAPERS BEARING ON METEOROLOGY.

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The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*Aeronautical journal.* London. v. 18. July, 1914.

Shaw, W[illiam] N[apier]. Wind gusts and the structure of aerial disturbances. p. 172-203.

Thurston, A[lbert] P[eter]. The measurement of air speed. p. 245-271.

Thurston, A[lbert] P[eter]. The horizontal wind tunnel at East London college. p. 302-307.

*American geographical society. Bulletin.* New York. v. 46. August, 1914.

Fassig, Oliver L. The period of safe plant growth in Maryland and Delaware. p. 587-590.

*American society of civil engineers. Proceedings.* New York. v. 40. August, 1914.

Buerger, Charles B. A method of determining storm-water runoff. p. 1735-1760.

*Great Britain. Meteorological office. Geophysical memoirs.* London. No. 8. 1914.

Chree, Charles. Lag in marine barometers on land and sea. p. 173-185.

*Japan. Tohoku imperial university. Science reports.* Sendai. v. 3. June, 1914.

Okada, Yūji. On the influence of compressibility on the fluid motion with a spherical obstacle and its application to a meteorological problem. p. 189-197.

*Knowledge.* London. v. 37. August, 1914.

Hall, Maxwell. The twilight arc. p. 296-298.

*Nautical magazine.* London. v. 92. August, 1914.

[McKerrell, John.] The occurrence and paths of cyclones, and methods of avoiding damage from them. p. 154-160.

*Popular science monthly.* New York. v. 85. September, 1914.

McAdie, Alexander [G.] The paradox of the east wind. p. 292-295.

*Royal society. Proceedings.* London. ser. A. v. 90. 1914.

Nolan, J. J. Electrification of water by splashing and spraying. p. 531-543.

*Royal society of South Africa. Transactions.* Cape Town. v. 4. pt. 2. 1914.

Sutton, J. R. Barometric variability at Kimberley and elsewhere. p. 105-121.

*Scientific American.* New York. v. 111. August 1, 1914.

Bertyn, Felix. Fog and marine disasters. p. 78.

*Scientific American supplement.* New York. v. 78. 1914.

Lawrence, W. H. The storm detector. Its influence upon the operation of lighting central stations. p. 76-77. (Aug. 1.) [Description of a thunderstorm recorder used by the N. Y. Edison Co.]

Lankester, Ray. Lightning and its dangers. Precautions to be taken and means of protection during thunderstorms. p. 102-103. (Aug. 15.)

*Scientific American supplement—Continued.*

McAdie, Alexander [G.] Recording moonlight and night cloudiness. p. 109. (Aug. 15.)

*Symon's meteorological magazine.* London. v. 49. July, 1914.

Heavy rains in the Argentine Republic. p. 102-103.

Aitken, J., Bonacina, L. C. W., & others. Visibility. p. 107-110.

"Tycos"—Rochester. Rochester. v. 4. July, 1914.

Cox, Henry J. Remarkable temperature conditions in the cranberry bogs. p. 5-6.

Cowan, John L. Indian rain makers. p. 7-8; 19.

Jameson, P. R. How the weather affects us. p. 13-14.

*Académie des sciences. Comptes rendus.* Paris. t. 159. 1914.

Idrac, P. Sur les irrégularités du vent. p. 198-199. (13 juillet.)

Loisel, Julien. Sur la représentation nomographique de la réduction du baromètre au niveau de la mer. p. 199-201. (13 juillet.)

Loisel, Julien. Construction d'un monogramme représentatif de la direction moyenne du vent. p. 333-335. (27 juillet.)

Gazaud. Contribution à l'étude du mistral. p. 335-336. (27 juillet.)

*Belgium. Ministère des colonies. Bulletin agricole du Congo Belge.* Bruxelles. v. 5. Juin 1914.

G., P. Climat de Banana. p. 360-371.

*Cosmos.* Paris. 63 année. 9 juillet 1914.

Nodon, A. Le magnétisme terrestre et les courants atmosphériques. p. 44-46.

*Lyons. Observatoire de Lyon. Bulletin. St. Genis-Laval.* 1 année. Juillet 1914.

Émile Marchand. Sa vie et ses travaux. p. 225-235. [Biography, with list of his publications.]

L'Islande, base météorologique de l'Europe centrale. p. 237.

[Abstract of paper by R. Fischer.]

Les niagaras électriques. p. 238-239. [Includes description of the "épervier électrique" of R. Marcillac.]

*Annalen der Physik. Beiblätter.* Leipzig. Band 38. Heft 13. 1914.

Stok, J. P. van der. Über den Zusammenhang zwischen Bewölkung und Sonnenschein dauer. p. 845-846. [Abstract.]

*Beiträge zur Physik der freien Atmosphäre.* Leipzig. 7. Band. Heft 1. 1914.

Wolff, Hans Th. Statistische Bearbeitung der Dresdner Pilotvisierungen des Jahres 1912. p. 1-10.

Dietzius, Robert. Pilotballonaufstiege bei fühlartigen Westwettereinbrüchen in Wien. p. 10-25.

Schmauss, August. Vertikale Luftströmungen an der Grenze zwischen Troposphäre und Stratosphäre. p. 26-27.

Barkow, E[rich]. Über den täglichen Gang der Lufttemperatur in höheren Luftsichten. p. 28-34.

*Deutsche Luftfahrer Zeitschrift.* Berlin. 18. Jahrgang. 22. Juli 1914.

Wegener, Kurt. Meteorologische Erfahrungen beim Fliegen. p. 347-348.

*Prometheus.* Leipzig. Jahrgang 25. 18. Juni 1914.

Brosch, Franz. Die Eishöhlen des Dachsteins. p. 657-663. [Illustrated.]

*Zeitschrift für Geowissenschaften.* Dresden. 12. Band. 3./4. Hefte. 1914.

Reisner, H. Die Gewittererscheinungen in der Grafschaft Glatz. p. 250-255.

*Zeitschrift für Instrumentenkunde.* Berlin. 34. Jahrgang. Juli 1914.

Giraud, M. F. Bestimmung der relativen Luftfeuchtigkeit mit dem Abbeschen Refraktometer. p. 244. [Abstract.]

*Italy. Ufficio centrale di meteorologia e di geodinamica. Rivista meteorico-agraria.* Roma. anno 35. Giugno 1914.

Taffara, Luigi. Teodolite nefoscopico fotogrammetrico. p. 549-566.

*Reale società geografica. Bollettino.* Roma. v. 3. Aprile 1914.

Eredia, Filippo. Note meteorologiche per Tobruk. p. 428-435.